IN THE CLAIMS

Claims 7, 9-10, 12, 14-18, 24-28, 30-33, and 35-40 are amended herein. Claims 23 and 29 are canceled herein. New claims 43-56 are added. All pending claims and their present status are produced below.

1-5. (Canceled)

6. (Previously Presented) The method of claim 26, wherein the musical segment comprises one from the group of: a piece, song, stanza, movement, bar, chorus, and riff.

7. (Currently Amended) ~~The method of claim 24, further comprising~~ A method comprising:

receiving by a printer audio/music data in a first format, wherein the printer is a device configured to print to a printable tangible medium;

storing, in an audio/music storage module embedded within the printer, the audio/music data in the first format, wherein the audio/music data in the first format comprises music data;

processing by a conversion module embedded within the printer the audio/music data to convert the audio/music data from the first format to a second format;

mapping musical content from the music data to a file in the second format;

assigning an identifier to a segment of the music data; and

outputting by the printer the processed audio/music data in the second format.

8. (Original) The method of claim 7, wherein the identifier comprises a pointer to a medium.

9. (Currently Amended) The method of claim [[23]] 15, further comprising processing the audio/music data responsive to commands provided by one from the group of: a print dialog, PDL comments, a print driver, and a graphical user interface networked with the printer.

10. (Currently Amended) ~~The method of claim 23, further comprising:~~ A method comprising:

receiving by a printer audio/music data in a first format, wherein the printer is a device configured to print to a printable tangible medium;

storing, in an audio/music storage module embedded within the printer, the audio/music data in the first format;

processing by a conversion module embedded within the printer the audio/music data to convert the audio/music data from the first format to a second format;

archiving the processed audio/music data; ~~and~~

indexing the archived audio/music data; and

outputting by the printer the processed audio/music data in the second format.

11. (Original) The method of claim 10, wherein the step of indexing comprises assigning a bar code to the musical segment.

12. (Currently Amended) The method of claim [[23]] 15, wherein the audio/music data further comprises audio speech.

13. (Previously Presented) The method of claim 12, further comprising recognizing the audio speech.

14. (Currently Amended) The method of claim [[23]] 15, wherein the processed audio/music data comprises a file printable to a paper document.

15. (Currently Amended) ~~The method of claim 23,~~ A method comprising:

receiving by a printer audio/music data in a first format, wherein the printer is a device configured to print to a printable tangible medium;

storing, in an audio/music storage module embedded within the printer, the audio/music data in the first format;

processing by a conversion module embedded within the printer the audio/music data to convert the audio/music data from the first format to a second format; and

outputting by the printer the processed audio/music data in the second format, wherein the processed audio/music data in the second format comprises a musical score.

16. (Currently Amended) The method of claim [[23]] 15, wherein outputting the processed audio/music data comprises playing the audio/music data on a playback device.

17. (Currently Amended) The method of claim [[23]] 15, wherein outputting the processed audio/music data comprises storing the audio/music data to a storage medium.

18. (Currently Amended) ~~The method of claim 23,~~ A method comprising:

receiving by a printer audio/music data in a first format, wherein the printer is a device configured to print to a printable tangible medium;

storing, in an audio/music storage module embedded within the printer, the audio/music data in the first format;

processing by a conversion module embedded within the printer the audio/music data to convert the audio/music data from the first format to a second format; and

outputting by the printer the processed audio/music data in the second format, wherein outputting the processed audio/music data comprises sending the audio/music data over a network.

19-23. (Canceled)

24. (Currently Amended) The method of claim [[23]] 15, wherein the audio/music data in the first format comprises music data, and wherein the method further comprises:

mapping musical content from the music data to a file in the second format.

25. (Currently Amended) ~~The method of claim 23~~ A method comprising:

receiving by a printer audio/music data in a first format, wherein the printer is a device configured to print to a printable tangible medium;

storing, in an audio/music storage module embedded within the printer, the audio/music data in the first format, wherein the audio/music data in the first format comprises music data; ~~, and wherein the method further comprises:~~

comparing a melody of the music data to a plurality of melodies; ~~and~~

matching the melody of the music data to one of the plurality of melodies;

processing by a conversion module embedded within the printer the audio/music data to convert the audio/music data from the first format to a second format; and

outputting by the printer the processed audio/music data in the second format.

26. (Currently Amended) ~~The method of claim 23~~ A method comprising:

receiving by a printer audio/music data in a first format, wherein the printer is a device configured to print to a printable tangible medium;

storing, in an audio/music storage module embedded within the printer, the audio/music data in the first format, wherein the audio/music data in the first format comprises music data; ~~, further comprising:~~

parsing the music data by musical segment;

processing by a conversion module embedded within the printer the audio/music data to convert the audio/music data from the first format to a second format; and

outputting by the printer the processed audio/music data in the second format.

27. (Currently Amended) ~~The method of claim 23, further comprising:~~ A method comprising:

receiving by a printer audio/music data in a first format, wherein the printer is a device configured to print to a printable tangible medium;

storing, in an audio/music storage module embedded within the printer, the audio/music data in the first format;

indexing the audio/music data according to its audio content;

processing by a conversion module embedded within the printer the audio/music data to convert the audio/music data from the first format to a second format; and

outputting by the printer the processed audio/music data in the second format.

28. (Currently Amended) The method of claim [[23]] 15, wherein the step of processing the audio/music data is performed in part by a device other than the printer and in part by the printer.

29. (Canceled)

30. (Currently Amended)The printer of claim [[29]] 38, wherein the output system is configured to output the processed audio/music data to at least one of the group of: a printed document, an analog file, an optical disk, a portable device memory, a networked server, and a networked display.

31. (Currently Amended) The printer of claim [[29]] 38, wherein the output system is configured to output the processed audio/music data to a digital format and to at least one of the group of: a printed document, an analog file, and a networked display.

32. (Currently Amended) ~~The printer of claim 29,~~ A printer for outputting a processed audio/music file comprising:

an interface for receiving audio/music data in a first format;

an audio/music storage module embedded within the printer for storing the received audio/music data;

a processor embedded within the printer and communicatively coupled to the audio/music storage module for processing the audio/music data;

a conversion module embedded within the printer and communicatively coupled to the processor and the audio/music storage module for converting the audio/music data from the first format to an electronic format and to a printable format; and

an output system embedded within the printer for outputting the processed audio/music data in the electronic format and for printing the processed audio/music data in the printable format to a tangible printable medium, wherein the output system comprises a disk drive capable of outputting electronic data.

33. (Currently Amended) ~~The printer of claim 29,~~ A printer for outputting a processed audio/music file comprising:

an interface for receiving audio/music data in a first format;

an audio/music storage module embedded within the printer for storing the received audio/music data;

a processor embedded within the printer and communicatively coupled to the audio/music storage module for processing the audio/music data;

a conversion module embedded within the printer and communicatively coupled to the processor and the audio/music storage module for converting the audio/music data from the first format to an electronic format and to a printable format; and

an output system embedded within the printer for outputting the processed audio/music data in the electronic format and for printing the processed audio/music data in the printable format to a tangible printable medium, wherein the output system comprises a transmitter to broadcast audio/music data.

34. (Canceled)

35. (Currently Amended) ~~The printer of claim 29, further comprising~~ A printer for outputting a processed audio/music file comprising:

an interface for receiving audio/music data in a first format;

an audio/music storage module embedded within the printer for storing the received audio/music data;

a processor embedded within the printer and communicatively coupled to the audio/music storage module for processing the audio/music data;

a conversion module embedded within the printer and communicatively coupled to the processor and the audio/music storage module for converting the audio/music data from the first format to an electronic format and to a printable format, wherein the conversion module is configured to ~~a conversion module configured to~~ automatically convert the audio/music file from [[a]]the first format into [[a]] the ~~third~~ electronic format or the printable format by converting the audio/music file from [[a]] the first format into a second format and from the second format into the ~~third~~ electronic format and the printable format; and

an output system embedded within the printer for outputting the processed audio/music data in the electronic format and for printing the processed audio/music data in the printable format to a tangible printable medium,

36. (Currently Amended) The printer of claim 35, wherein the ~~second~~ electronic format comprises one from the group of an: electronic score, .wav, .MIDI, and .mp3.

37. (Currently Amended)The printer of claim [[29]] 38, wherein the first format comprises an analog music file.

38. (Currently Amended) ~~The printer of claim 29, further comprising~~ A printer for outputting a processed audio/music file comprising:

an interface for receiving audio/music data in a first format;

an audio/music storage module embedded within the printer for storing the received audio/music data;

a processor embedded within the printer and communicatively coupled to the audio/music storage module for processing the audio/music data;

a conversion module embedded within the printer and communicatively coupled to the processor and the audio/music storage module for converting the audio/music data from the first format to an electronic format and to a printable format;

a scoring module for creating a score based on the audio/music data; and

an output system embedded within the printer for outputting the processed audio/music data in the electronic format and for printing the processed audio/music data in the printable format to a tangible printable medium.

39. (Currently Amended)The printer of claim [[29]] 38, further comprising a command module for automatically determining the conversion pathway of the audio/music data in the first format to a file in an output format wherein the conversion pathway comprises at least a conversion of the audio/music data in the first format to a second format, and a conversion from the second format to the output format.

40. (Currently Amended) ~~The printer of claim 29, further comprising~~ A printer for outputting a processed audio/music file comprising:

an interface for receiving audio/music data in a first format;

an audio/music storage module embedded within the printer for storing the received audio/music data;

a processor embedded within the printer and communicatively coupled to the audio/music storage module for processing the audio/music data;

a parsing module for segmenting the audio/music file responsive to its audio content;

a conversion module embedded within the printer and communicatively coupled to the processor and the audio/music storage module for converting the audio/music data from the first format to an electronic format and to a printable format; and

an output system embedded within the printer for outputting the processed audio/music data in the electronic format and for printing the processed audio/music data in the printable format to a tangible printable medium.

41-42. (Canceled)

43. (New) The method of claim 18, further comprising processing the audio/music data responsive to commands provided by one from the group of: a print dialog, PDL comments, a print driver, and a graphical user interface networked with the printer.

44. (New) The method of claim 18, wherein the audio/music data comprises audio speech.

45. (New) The method of claim 18, wherein the processed audio/music data comprises a file printable to a paper document.

46. (New) The method of claim 18, wherein outputting the processed audio/music data further comprises playing the audio/music data on a playback device.

47. (New) The method of claim 18, wherein outputting the processed audio/music data further comprises storing the audio/music data to a storage medium.

48. (New) The method of claim 18, wherein the step of processing the audio/music data is performed in part by a device other than the printer and in part by the printer.

49. (New) The method of claim 26, wherein the processed audio/music data comprises a file printable to a paper document.

50. (New) The method of claim 26, wherein the step of processing the audio/music data is performed in part by a device other than the printer and in part by the printer.

51. (New) The method of claim 27, wherein the step of processing the audio/music data is performed in part by a device other than the printer and in part by the printer.

52. (New) The method of claim 27, wherein the processed audio/music data comprises a file printable to a paper document.

53. (New) The printer of claim 32, wherein the first format comprises an analog music file.

54. (New) The printer of claim 32, further comprising a command module for automatically determining the conversion pathway of the audio/music data in the first format to a file in an output format wherein the conversion pathway comprises at least a conversion of the audio/music data in the first format to a second format, and a conversion from the second format to the output format.

55. (New) The printer of claim 33, wherein the first format comprises an analog music file.

56. (New) The printer of claim 40, wherein the first format comprises an analog music file